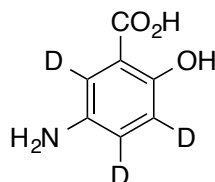


Certificate of Analysis



Name: **Mesalazine-D3**
 (5-Amino-2-hydroxybenzoic Acid-d3; 5-Aminosalicylic Acid-d3; 5-Aminosalicylic Acid-d3; Mesalamine-d3)

Lot#: GR-7-067

Test Date: 12/19/2025 (re-test date: 12/19/2030)

CAS No.: 1309283-32-6

MF: C₇H₄D₃NO₃

MW: 156.15

Appearance: Grey solid

Purity: 99.4% by HPLC (average of two sample preparations); ~98% atom D

¹H-NMR: Conforms

MS-ESI (+) Conforms (shows peak at m/z = 157.05 [M+H]⁺)

Storage Store at -18°C in a dry place away from direct sunlight

Approved by:

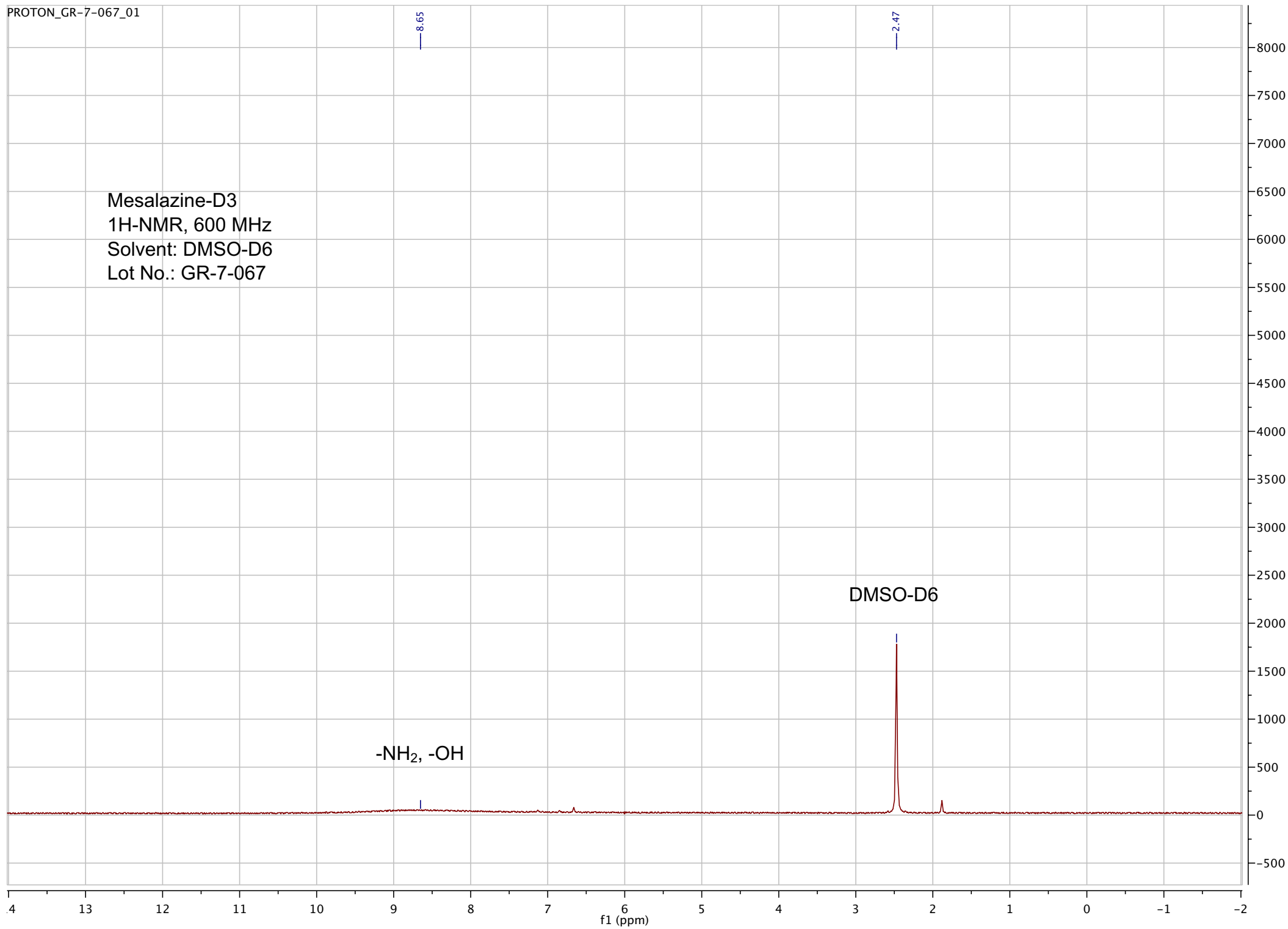
Date: 12/19/2025



Viorica Rusu, QC/QA Manager

PROTON_GR-7-067_01

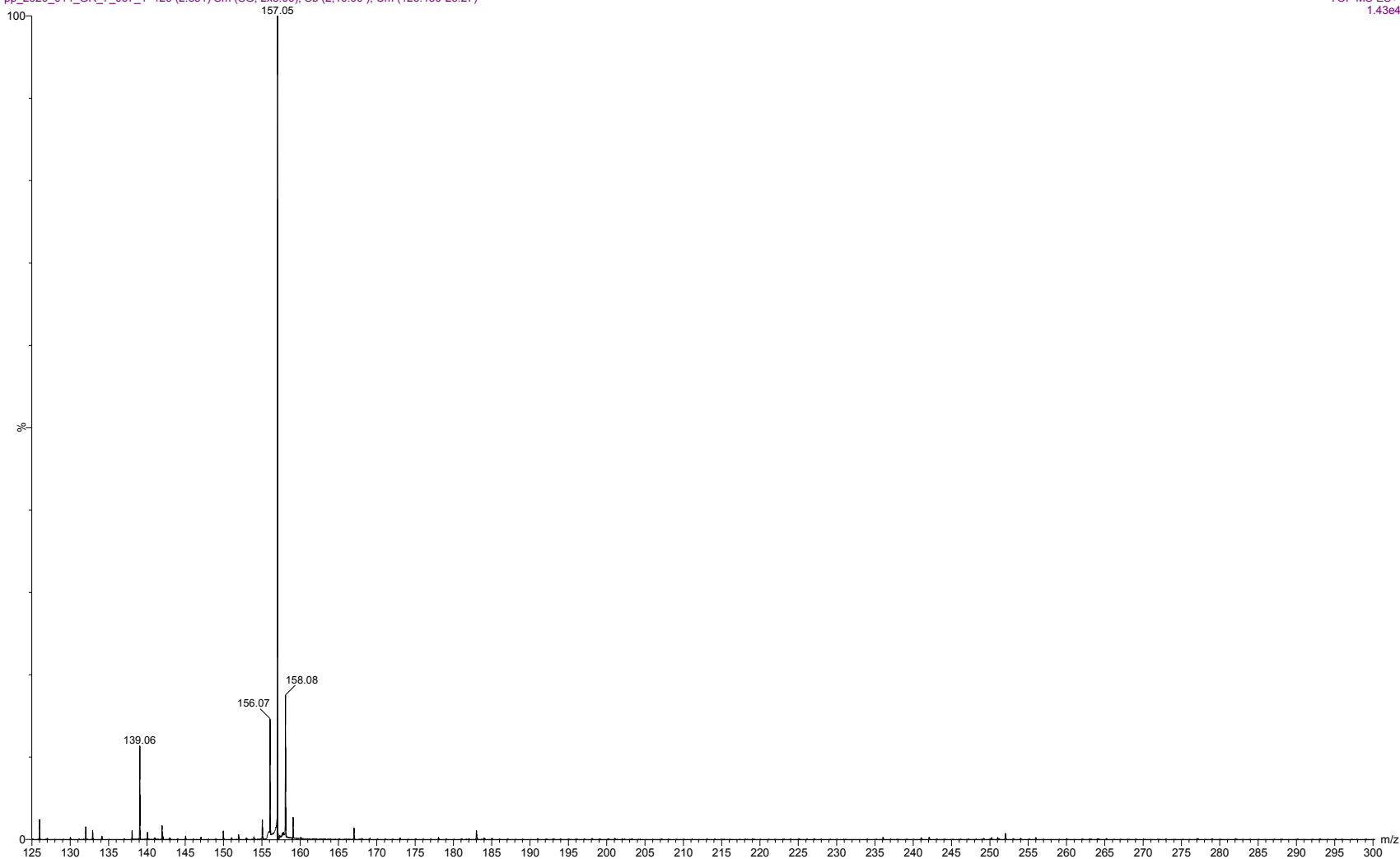
Mesalazine-D3
1H-NMR, 600 MHz
Solvent: DMSO-D6
Lot No.: GR-7-067



pp_2020_014_GR_7_067_1 126 (2.331) Sm (SG, 2x5.00); Sb (2,10.00); Cm (126:130-23:27)

7.00000000

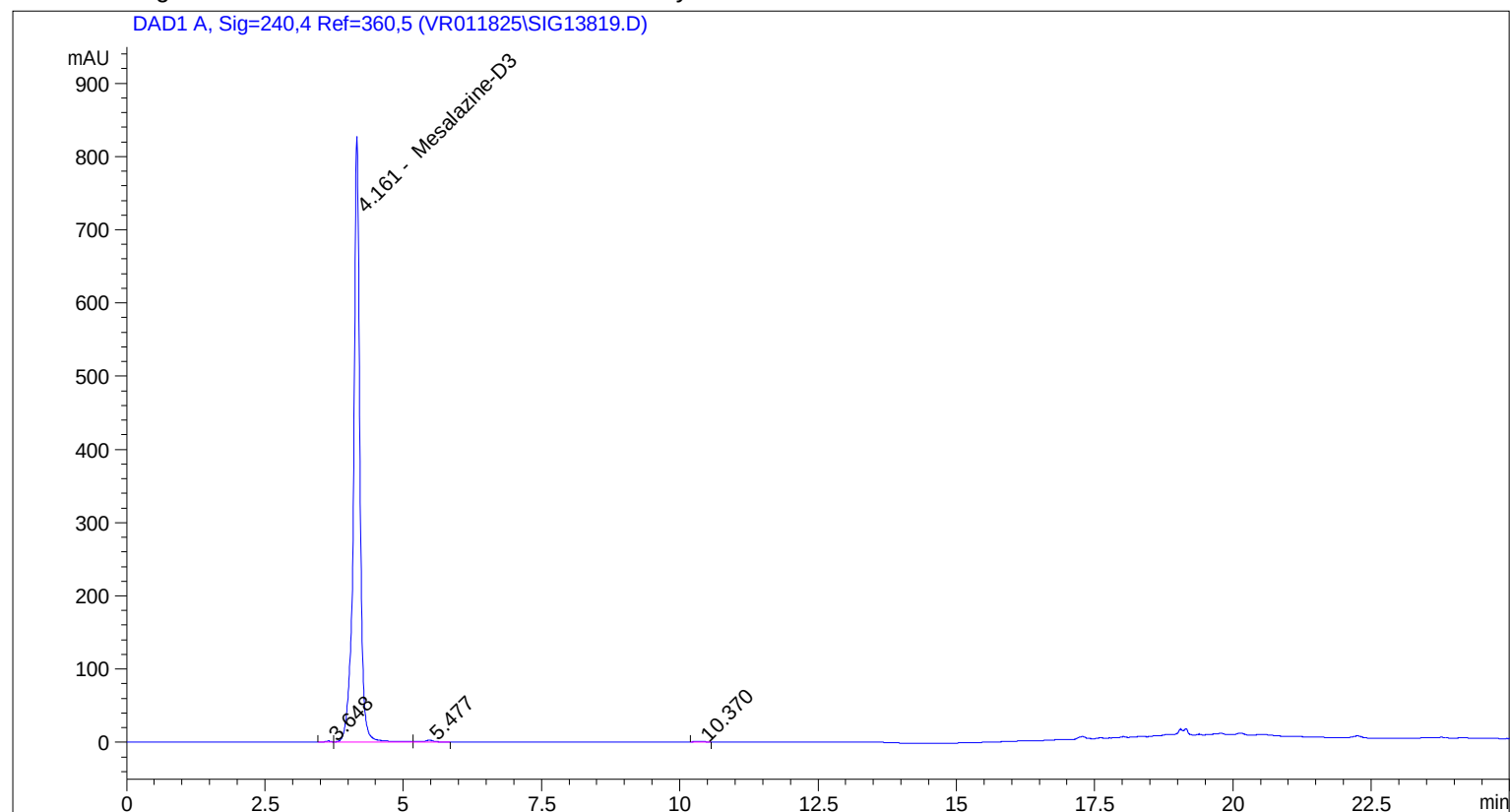
TOF MS ES+
1.43e4



ESI-MS spectra for sample GR-7-067. Shows monoisotopic [M+H]⁺ mass.

Sample Name: GR-7-067 spl-2

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 16
Injection Date  : 12/18/2025 10:56:13 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR121825_067.M
Last changed    : 12/18/2025 10:55:10 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR121825_067PM.M
Last changed    : 12/19/2025 10:11:50 AM by vrusu
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By           :      Signal
Calib. Data Modified :      12/19/2025 10:11:01 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=240,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.648	BV	0.0925	7.41378	0.1118	?
2	4.161	VV	0.1169	6595.61621	99.4212	Mesalazine-D3
3	5.477	VB	0.1544	26.60672	0.4011	?
4	10.370	VV	0.1779	4.37428	0.0659	?

Totals : 6634.01099

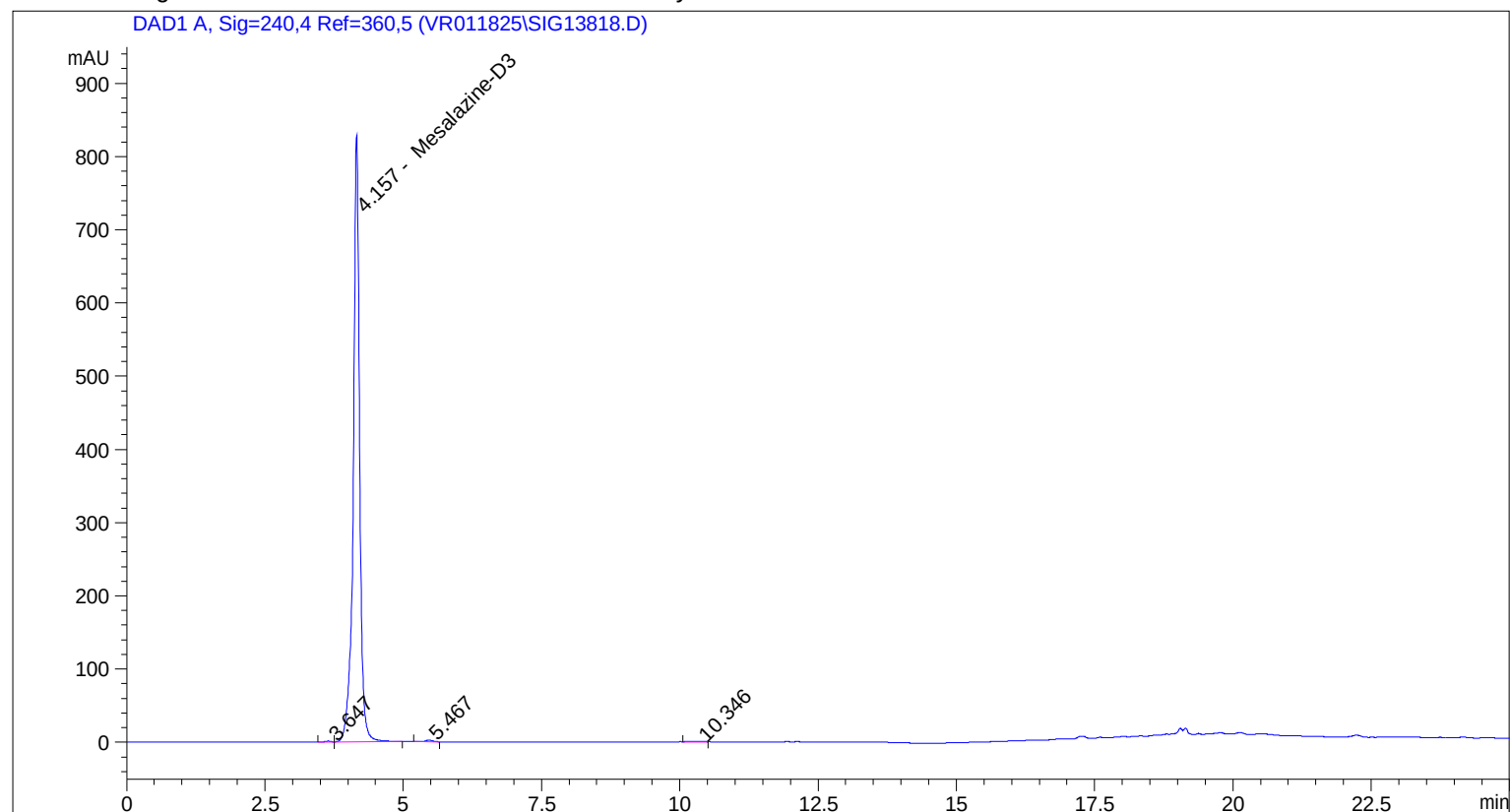
Sample Name: GR-7-067 spl-2

=====

*** End of Report ***

Sample Name: GR-7-067

```
=====
Acq. Operator   : vrusu
Acq. Instrument : Instrument 1                Location : Vial 15
Injection Date  : 12/18/2025 10:24:49 AM
                                           Inj Volume : 5.0 µl
Acq. Method     : C:\CHEM32\1\METHODS\VR121825_067.M
Last changed    : 12/18/2025 10:23:35 AM by vrusu
Analysis Method : C:\CHEM32\1\METHODS\VR121825_067PM.M
Last changed    : 12/19/2025 10:11:50 AM by vrusu
=====
```



```
=====
                        Area Percent Report
=====
```

```
Sorted By           :      Signal
Calib. Data Modified :      12/19/2025 10:11:01 AM
Multiplier:         :      1.0000
Dilution:           :      1.0000
Use Multiplier & Dilution Factor with ISTDs
```

Signal 1: DAD1 A, Sig=240,4 Ref=360,5

Peak #	RetTime [min]	Type	Width [min]	Area [mAU*s]	Area %	Name
1	3.647	BV	0.0862	6.07293	0.0916	?
2	4.157	VV	0.1148	6594.48096	99.5168	Mesalazine-D3
3	5.467	BV	0.1291	20.49967	0.3094	?
4	10.346	VV	0.2079	5.44562	0.0822	?

Totals : 6626.49918

Sample Name: GR-7-067

=====

*** End of Report ***